

AMENDMENTS TO THE CLAIMS:

Please cancel claim 12 without prejudice or disclaimer of the subject matter thereof, amend claims 1, 5, 6, 8, 13, 14 and 25-28, and add claims 29-34 as follows. This listing of claims will replace all prior versions and listings of claims in the above-referenced application.

Listing of Claims:

1. (Currently amended) A reflection type liquid crystal display, comprising:

a pair of substrates disposed opposite to each other with a liquid crystal layer disposed therebetween;

a first substrate area formed using rough portions on a portion of one surface of at least one of said pair of substrates, wherein said one of at least one of said pair of substrates also has a second substrate area that is relatively smooth;

a plurality of switching elements formed on said second substrate area ~~one surface of at least one of said pair of substrates;~~

a reflective layer constituted of a same material as a material constituting a gate electrode of said plurality of switching elements and simultaneously formed on said first substrate area during formation of said gate electrode of said plurality of switching elements on a same plane as a plane of said gate electrode;

a transparent pixel electrode formed on said reflective layer via an insulation layer and connected to ~~at least one~~ an electrode included in ~~at least one of~~ said plurality of switching elements; and

a color filter layer disposed between said reflective layer and said transparent pixel electrode.

2. (Previously Presented) The reflection type liquid crystal display according to claim 1,
wherein said plurality of switching elements includes at least a thin film transistor.
3. (Cancelled)
4. (Cancelled)
5. (Currently Amended) The reflection type liquid crystal display according to claim 1, wherein
a shielding layer is disposed on an area of ~~at least~~ one of said plurality of switching
elements.
6. (Currently Amended) The reflection type liquid crystal display according to claim 2, wherein
said thin film transistor comprises the gate electrode, wherein the gate electrode is
electrically connected to a scanning line, a gate insulation film formed to cover said gate
electrode, a semiconductor layer formed on said gate insulation film, a drain electrode
electrically connected to a signal line, and a source electrode electrically connected to
said transparent pixel electrode, and wherein said reflective layer is electrically separated
from said gate electrode.
7. (Cancelled)

8. (Currently Amended) The reflection type liquid crystal display according to claim 1, wherein said reflective layer is formed of ~~at least one of aluminum and~~ or an aluminum alloy.
9. (Original) The reflection type liquid crystal display according to claim 8, wherein said aluminum alloy is an alloy of aluminum and neodymium.
10. (Withdrawn) The reflection type liquid crystal display according to claim 8, wherein a diffusion preventive layer is disposed below said reflective layer to prevent said aluminum from being diffused to a lower layer.
11. (Withdrawn) The reflection type liquid crystal display according to claim 10, wherein said diffusion preventive layer is formed of titanium.
12. (Cancelled)
13. (Currently Amended) The reflection type liquid crystal display according to claim ~~[[12]]~~1, wherein said rough ~~portion is~~ portions are formed of a material which is not deformed in a heating process performed later and which does not contain high density impurities adversely affecting the liquid crystal display.
14. (Currently Amended) The reflection type liquid crystal display according to claim ~~[[12]]~~1, wherein said rough ~~portion is~~ portions are formed by forming an insulation film and patterning the insulation film.

Claims 15-24 (Cancelled)

25. (Currently Amended) A reflection type liquid crystal display, comprising:

a pair of substrates disposed opposite to each other via a liquid crystal layer;

a first substrate area formed using rough portions on a portion of one surface of at least one of said pair of substrates, wherein said one of at least one of said pair of substrates also has a second substrate area that is relatively smooth;

a plurality of switching elements formed on said second substrate area ~~one surface of said pair of substrates;~~

a reflective layer simultaneously formed on said first substrate area during formation of gates of said switching elements;

a transparent pixel electrode formed on said reflective layer via an insulation layer and connected to one electrode constituting one of said switching elements; and

a color filter layer disposed between said reflective layer and said transparent pixel electrode;

wherein each of said plurality of switching elements is a thin film transistor, and said reflective layer is formed of the same material as a material of a gate electrode of said thin film transistor and constituted on the same plane as a plane of said gate electrode; ~~and~~

~~wherein a rough portion is formed below said reflective layer, and said reflective layer is formed to cover said rough portion.~~

26. (Currently Amended) A reflection type liquid crystal display, comprising:

a pair of substrates disposed opposite to each other via a liquid crystal layer;

a first substrate area formed using rough portions on a portion of one surface of at least one of said pair of substrates, wherein said one of at least one of said pair of substrates also has a second substrate area that is relatively smooth;

a plurality of switching elements formed on said second substrate area ~~one surface of said pair of substrates;~~

a reflective layer simultaneously formed on said first substrate area during formation of gates of said switching elements;

a transparent pixel electrode formed on said reflective layer via an insulation layer and connected to one electrode constituting one of said switching elements; and

a color filter layer disposed between said reflective layer and said transparent pixel electrode;

wherein said thin film transistor comprises a gate electrode electrically connected to a scanning line, a gate insulation film formed to cover said gate electrode, a semiconductor layer formed on said gate insulation film, a drain electrode electrically connected to a signal line, and a source electrode electrically connected to said transparent pixel electrode, and wherein said reflective layer is electrically separated from said gate electrode and is formed of a same material as a material of said gate electrode and formed on a same plane as a plane of said gate electrode; ~~and~~

~~wherein a rough portion is formed below said reflective layer, and said reflective layer is formed to cover said rough portion.~~

27. (Currently Amended) A reflection type liquid crystal display, comprising:

a pair of substrates disposed opposite to each other with a liquid crystal layer disposed therebetween;

a first substrate area formed using rough portions on a portion of one surface of at least one of said pair of substrates, wherein said one of at least one of said pair of substrates also has a second substrate area that is relatively smooth;

a plurality of switching elements formed on said second substrate area ~~one surface of at least one of said pair of substrates;~~

a reflective layer constituted of a same material as a material constituting a gate electrode of one of said plurality of switching elements and ~~simultaneously~~ formed on said first substrate area ~~during formation of said gate electrode of said plurality of switching elements~~ on a same plane as a plane of said gate electrode;

a transparent pixel electrode formed on said reflective layer via an insulation layer and connected to ~~at least one~~ an electrode included in ~~at least one of~~ said plurality of switching elements;

a color filter layer disposed between said reflective layer and said transparent pixel electrode; and

~~at least one rough portion formed below said reflective layer, wherein said reflective layer is formed to cover said at least one rough portion, and said rough portion~~ is portions are formed of a material which is not deformed in a heating process performed later and which does not contain high density impurities adversely affecting the liquid crystal display.

28. (Currently Amended) A reflection type liquid crystal display, comprising:

a pair of substrates disposed opposite to each other with a liquid crystal layer disposed therebetween;

a first substrate area formed using rough portions on a portion of one surface of at least one of said pair of substrates, wherein said one of at least one of said pair of substrates also has a second substrate area that is relatively smooth;

a plurality of switching elements formed on said second substrate area ~~one surface of at least one of said pair of substrates;~~

a reflective layer constituted of a same material as a material constituting a gate electrode of one of said plurality of switching elements and ~~simultaneously~~ formed on said first substrate area ~~during formation of said gate electrode of said plurality of switching elements~~ on a same plane as a plane of said gate electrode;

a transparent pixel electrode formed on said reflective layer via an insulation layer and connected to ~~at least one~~ an electrode included in ~~at least one of~~ said plurality of switching elements;

a color filter layer disposed between said reflective layer and said transparent pixel electrode; and

~~at least one rough portion formed below said reflective layer, wherein said reflective layer is formed to cover said at least one rough portion, and said rough portion being portions are~~ formed by forming an insulation film and patterning the insulation film.

29. (New) A reflection type liquid crystal display, comprising:

a pair of substrates disposed opposite to each other with a liquid crystal layer disposed therebetween;

a first substrate area formed using rough portions on a portion of one surface of at least one of said pair of substrates, wherein said one of at least one of said pair of substrates also has a second substrate area that is relatively smooth;

a plurality of switching elements formed on said second substrate area;

a reflective layer formed on said first substrate area on a same plane as a plane of said gate electrode;

a transparent pixel electrode formed on said reflective layer via an insulation layer and connected to an electrode included in said plurality of switching elements; and

a color filter layer disposed between said reflective layer and said transparent pixel electrode.

30. (New) The reflection type liquid crystal display according to claim 29, wherein said plurality of switching elements includes at least a thin film transistor.

31. (New) The reflection type liquid crystal display according to claim 30, wherein said thin film transistor comprises the gate electrode, wherein the gate electrode is electrically connected to a scanning line, a gate insulation film formed to cover said gate electrode, a semiconductor layer formed on said gate insulation film, a drain electrode electrically connected to a signal line, and a source electrode electrically connected to said transparent pixel electrode, and wherein said reflective layer is electrically separated from said gate electrode.
32. (New) The reflection type liquid crystal display according to claim 29, wherein a shielding layer is disposed on an area of one of said plurality of switching elements.
33. (New) The reflection type liquid crystal display according to claim 29, wherein said reflective layer is formed of aluminum or an aluminum alloy.
34. (New) The reflection type liquid crystal display according to claim 33, wherein said aluminum alloy is an alloy of aluminum and neodymium.
35. (New) The reflection type liquid crystal display according to claim 29, wherein said rough portions are formed of a material which is not deformed in a heating process performed later and which does not contain high density impurities adversely affecting the liquid crystal display.

36. (New) The reflection type liquid crystal display according to claim 29, wherein said rough portions are formed by forming an insulation film and patterning the insulation film.